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PHOTOGRAPHIC INTERPRETATION REPORT

AIRCRAFT ENGINE PLANT NO 154 VORONEZH, USSR



CIA



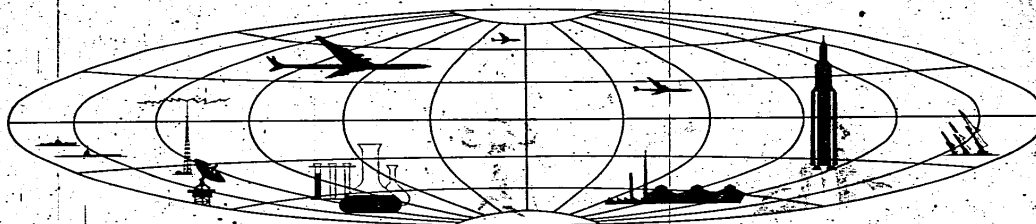
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AIRCRAFT ENGINE PLANT NO 154, VORONEZH, USSR

The Voronezh Aircraft Engine Plant No 154 is located at 51-38N 39-11E on the western edge of Voronezh, USSR, and 4 nautical miles (nm) north of the Voronezh Rocket Test Facility (Figures 1 and 2). The first aerial photography of this plant was obtained [REDACTED]. The plant is rail served and appears to be operational. It is surrounded by a wall, and guardhouses are situated at some of the entrances. At least four guard towers were observed inside the plant. The principal components of the plant are described in the following

paragraphs. Item numbers are keyed to Figure 3.

Assembly-type Building (item 1). This building was in the early stages of construction in [REDACTED] and had been completed by [REDACTED]. A wall may separate this building from the rest of the plant. Dimensions: 1,060 by 450 feet; roof cover: 477,000 square feet.

Main Assembly Building (item 2). This building existed in [REDACTED]. Dimensions: 770 by 600 feet; roof cover: 462,000 square feet.

Foundry/Machine Shop (item 3). The found-

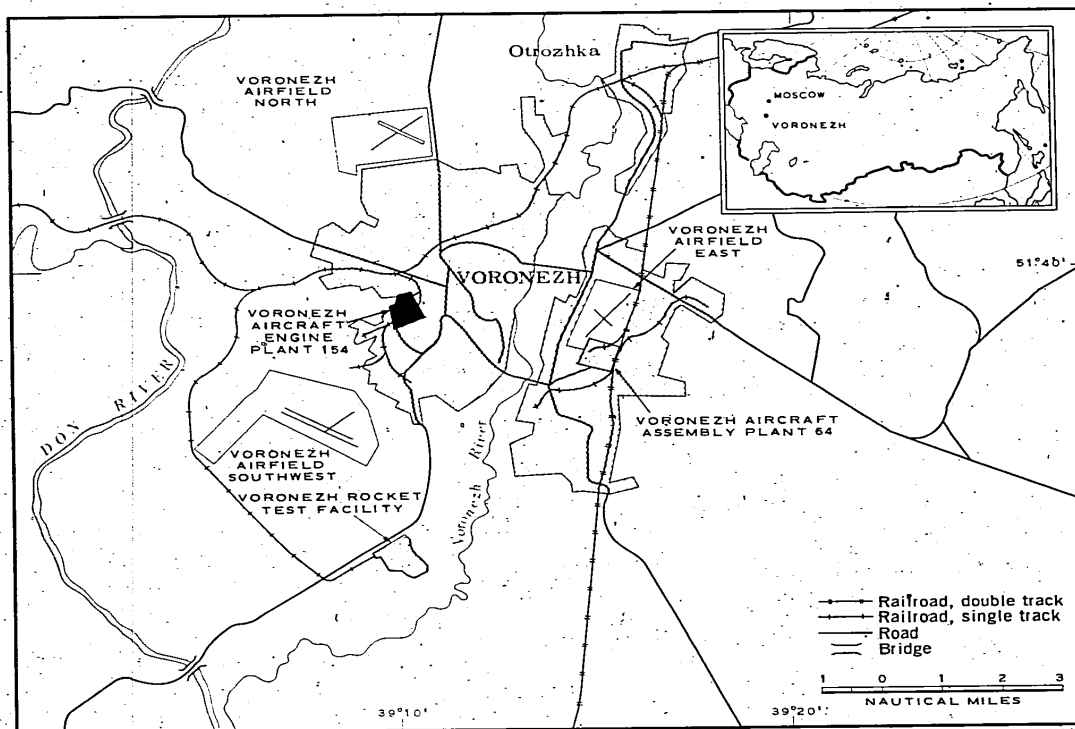


FIGURE 1. LOCATION MAP.

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FIGURE 2. AIRCRAFT ENGINE PLANT NO 154, VORONEZH, USSR

NPIC J-4914 (10/64)

25X1D.

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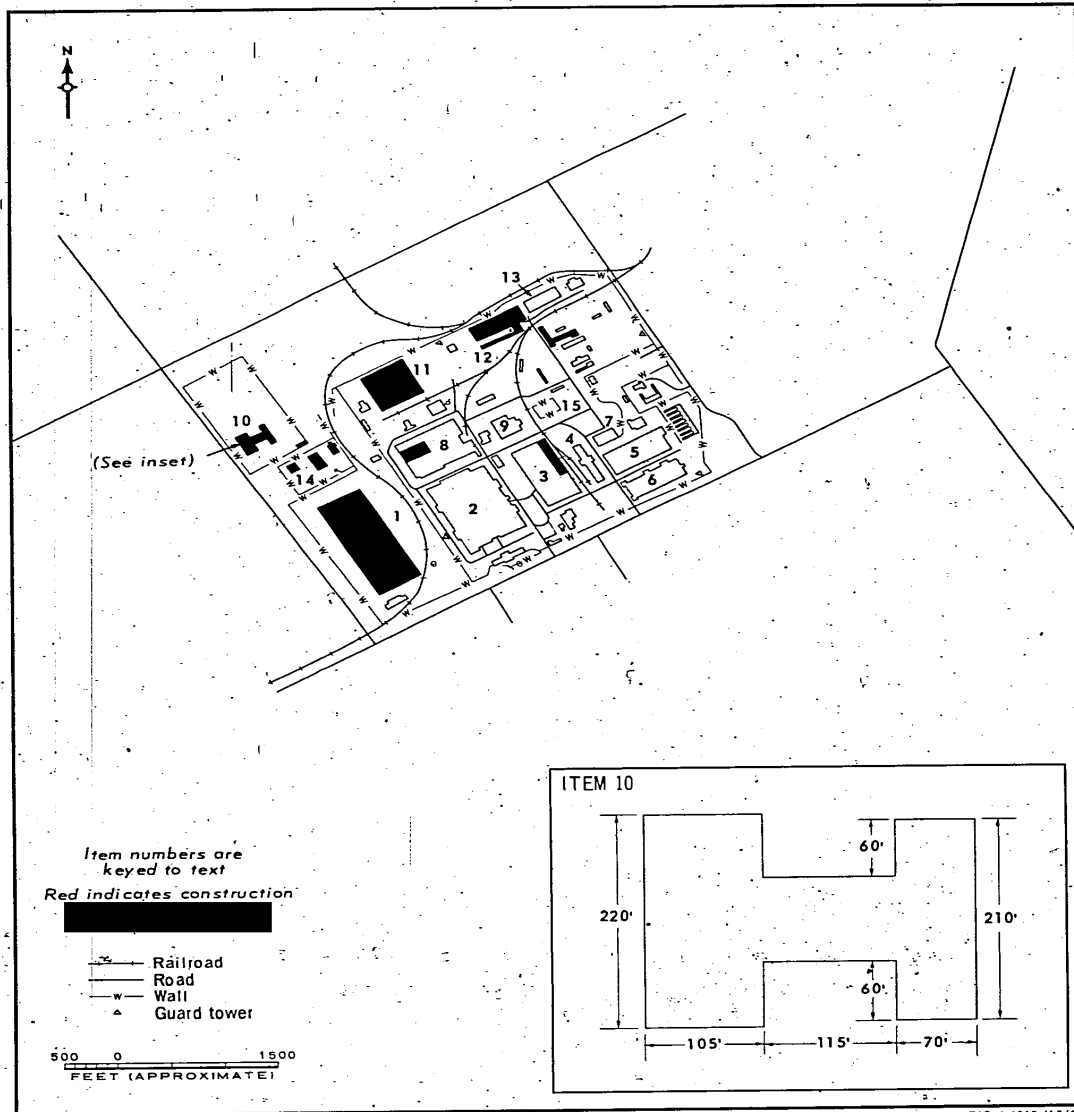
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25X1D

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25X1D ry section with a roof cover of 90,000 square feet
25X1D existed in [REDACTED] By [REDACTED] the building had been
25X1D expanded and had a roof cover of 195,000 square
feet, and in [REDACTED] the shop was slightly enlarged.
This shop is rail served.

Dimensions: 640 by 350 feet; roof cover: 224,000
square feet.

25X1D Heat Treatment Shop (item 4). This shop ex-
isted in [REDACTED]
Dimensions: 430 by 80 feet; roof cover: 34,400
square feet.

25X1D Machine Shop/Forge (item 5). This building
existed in [REDACTED] the forge is probably situated in
the northeast end of the building.
Dimensions: 590 by 250 feet; roof cover: 147,500
square feet.

25X1D Machine Shops (items 6 and 7). Both shops
were part of the plant in [REDACTED]
Dimensions (item 6): 550 by 210 feet; roof cover:
115,500 square feet.
Dimensions (item 7): 210 by 130 feet; roof cover:
27,300 square feet.

25X1D Engine Test and Final Assembly Building
(item 8). This building houses 22 U-type engine
test cells, 6 of which are [REDACTED] square and 16
of which are 20 feet square. 1/ No test cells
25X1D have been added since [REDACTED] The final assembly
25X1D section at the rear of the test cells has been ex-
panded approximately 30 percent since [REDACTED]
The building is rail served.

Dimensions: 600 by 380 feet; roof cover: 228,000
square feet.

25X1D Foundry (item 9). This foundry existed in
[REDACTED]
Dimensions: 210 by 190 feet; roof cover: 39,900
square feet.

25X1D H-Shaped Building (item 10). This building
was in the early stages of construction in [REDACTED]
25X1D and had been completed by [REDACTED] It is situated
25X1D at the southern end of a separately walled area,
and only one entrance was discernible near the
northwest corner of the area. Although it is H-
shaped, this building is not identical to the H-

shaped structures observed at the Biysk and
Sterlitamak Probable Propellants Test Facili-
ties.*

Dimensions: irregular (inset, Figure 3); roof
cover: 48,200 square feet.

Assembly Building (item 11). Construction
on this building began in [REDACTED] and was completed
in [REDACTED]
Dimensions: 385 by 350 feet; roof cover: 134,800
square feet.

Probable Boxing and Shipping Building (item
12). This building was not discernible on the [REDACTED]
photography. By [REDACTED] it had been completed.
Dimensions: 460 by 160 feet; roof cover: 73,600
square feet.

Probable Maintenance and Support Building
(item 13). The location of this building suggests
a support function rather than one of production.
Dimensions: 330 by 125 feet; roof cover: 41,300
square feet.

Secured Area (item 14). A separately se-
cured area near the western edge of the plant
contains five buildings, three of which are of
significant size. Two of the three buildings
were under construction in [REDACTED] and the third
has been completed since then.
Dimensions: 100 by 50 feet, 120 by 70 feet, and
100 by 80 feet; total roof cover: 21,400 square
feet.

Open Storage Area (item 15). A walled
open storage area containing several rows of un-
identified objects was observed approximately in
the center of the plant.

In [REDACTED] the Voronezh Aircraft Engine Plant
No 154 had a total roof cover of 1,474,900 square
feet, an increase of 361,000 square feet since
[REDACTED] 1/ New construction observed from [REDACTED]
to [REDACTED] provided an additional 754,900 square
feet of roof cover, bringing the total roof cover
to 2,229,800 square feet.

*Detailed reports on the Biysk and Sterlitamak Probable
Propellants Test Facilities are being prepared for publi-
cation under NPIC project number N-863/64.

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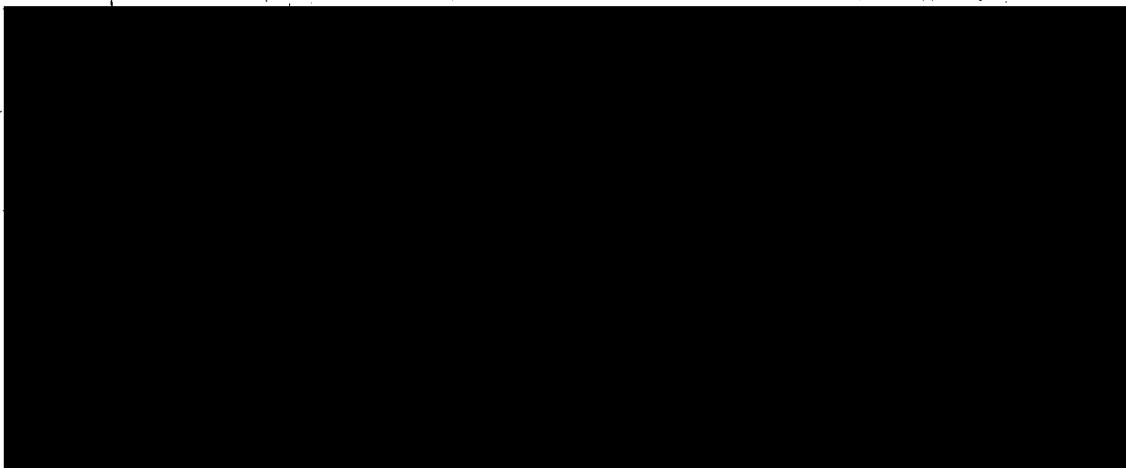
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REFERENCES

PHOTOGRAPHY



25X1D

CHART

SAC. US Air Target Chart, Series 200, Sheet 0234-3HL, 3d ed, Jan 64, scale 1:200,000 (SECRET)

DOCUMENT

1. PIC. R-10 60, *Aircraft Engine Plant 154, Voronezh, USSR*, Sep 60 (TOP SECRET CHESS)

REQUIREMENT

CLA. C-RR4-S1.679

NPIC PROJECT

N-863.64 (partial answer)

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